

Verification Tests are Multiplying for AMS Pilot

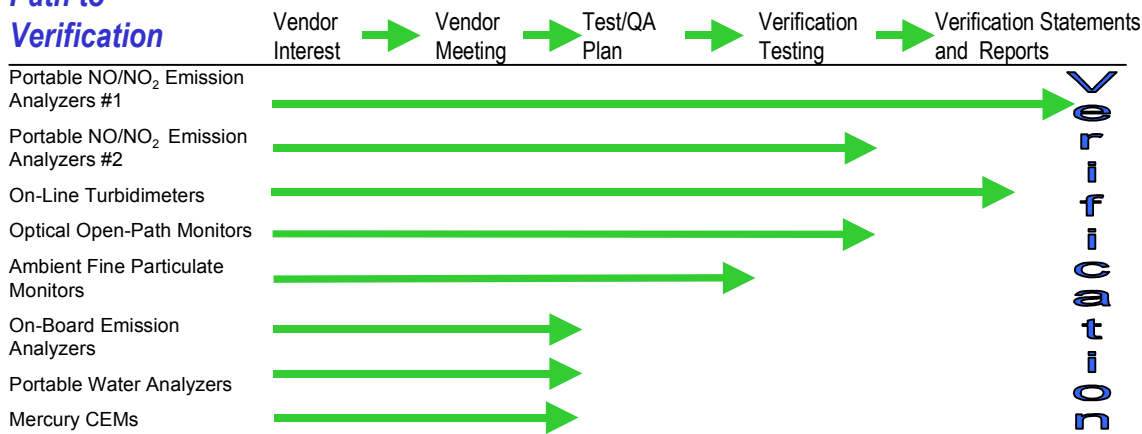
From May through next January and from Pennsylvania to California, eight verification tests involving more than 30 air and water monitoring instruments are under way, scheduled, or recently completed by the Advanced

Monitoring Systems (AMS) pilot. The tests are conducted by Battelle, a partner with EPA's Environmental Technology Verification Program.

As tests are completed, Battelle staff members prepare a draft test report for each technology tested. The reports are submitted for review to each participating vendor, EPA officials, and expert peer reviewers. Final reports and verification statements—signed by a Battelle senior manager and an EPA laboratory director—are provided to each vendor. Here is an update for completed, scheduled, and planned verification tests. Battelle contacts for each test are indicated.

- ◆ **Portable NO/NO₂ emission analyzers.** The first verification test by the AMS pilot was conducted for five portable NO/NO₂ emission analyzers in January 1999. Vendors received verification reports and statements in September 1999. A second verification test was conducted this spring for three additional vendors. These test reports are expected to be approved this fall. Contact: Tom Kelly at 614-424-3495 or kellyt@battelle.org.

Path to Verification



- ◆ **On-line turbidimeters.** Verification reports for the three instruments tested last September and October will be issued this summer, along with verification statements. Several other vendors have expressed interest in participating in a future test. Contact: Ken Cowen, 614-424-5547 or cowenk@battelle.org.
- ◆ **Optical open-path monitors.** Verification testing of six instruments began in March and will be completed this summer. The technologies are being verified one at a time at either Battelle's research facilities in central Ohio or at a site specified by the vendor. For additional information, see the April 2000 issue of the AMS pilot's newsletter, *The Monitor*. Or contact: Jeff Myers at 614-424-7705 or myersjd@battelle.org.
- ◆ **Ambient fine particulate monitors.** This two-part verification test starts this month at the U.S. Department of Energy's National Energy Technology Laboratory at South Park, PA, just south of Pittsburgh. The second phase of the test will be conducted in December and January at the EPA SuperSite in Fresno, CA. Seven vendors

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The AMS pilot is one of 12 pilots in the U.S. Environmental Protection Agency's Environmental Technology Verification Program. ETV was established to accelerate the development and commercialization of improved environmental technologies through third-party verification testing and reporting of the technologies' performance. The ETV process provides purchasers and permittees with an independent assessment of the technology they are buying or permitting and facilitates multi-state acceptance. For further information, contact Helen Latham at Battelle, 505 King Ave., Columbus, Ohio 43201-2693; Phone 614-424-4062; Fax 614-424-5601; E-mail lathamh@battelle.org.

Verification Test (from page 1)

have submitted 13 monitors for verification testing. For additional information, see the June 2000 issue of *The Monitor* or contact: Ken Cowen (see turbidimeters, above).

- ◆ **On-board emission analyzers.** The draft test/QA plan has been prepared for these in-car emissions monitoring instruments. Four vendors have expressed interest in participating in the test, which may be conducted this fall. Contact: Ken Cowen (see turbidimeters, above).
- ◆ **Portable water analyzers.** Several vendors have expressed interest in participating in this verification test and a test/QA plan is being drafted. The test is expected to be conducted this summer. Tests for similar instruments (e.g., multi-probe analyzers, groundwater flow sensors) are also planned. Contact: Adam Abbg, 614-424-5484 or abbg@battelle.org.
- ◆ **Mercury continuous emissions monitors (CEMs).** Battelle and EPA held a meeting of vendors, users, and buyers of mercury CEMs in April. Based on input from this meeting, a draft test/QA plan is being developed, and a two-phase test is planned. Phase 1 is planned for late summer. For additional information about mercury CEM testing, see the May 2000 issue of *The Monitor* or contact Tom Kelly (see NO/NO₂ analyzers, above).

For general information about the AMS pilot or to be added to the mailing list, contact: Helen Latham at Battelle, 505 King Ave., Columbus, Ohio 43201-2693; phone 614-424-4062; Fax 614-424-5601; E-mail lathamh@battelle.org.

Upcoming Events

September 19-20, 2000

U.S. EPA National Environmental Monitoring conference, Boston, focusing on environmental monitoring and related technologies, programs, and applications. Call 888-EPA-7341 or (outside of New England) 617-918-1111.

October 12-13, 2000

Combined AMS pilot air and water stakeholder committee meetings.

Meet the Stakeholder Committees

Two members of the AMS pilot's stakeholder committees are spotlighted in *The Monitor* – one each from the air and water committees.



Robert Maynard
Air Stakeholder
Committee

Formerly director of the Ohio Environmental Protection Agency, Robert Maynard now focuses on environmental and natural resource policy, strategy development, and technology-based economic development at Vorys, Sater, Seymour and Pease. He helps businesses and local governments develop and execute environmental and economic strategies. Some of the issues with which he has been involved include unfunded federal mandates and brownfields redevelopment. Before directing the Ohio EPA, Mr. Maynard headed the environmental, energy, and natural resources department of Smith & Schnacke. Mr. Maynard received his law degree from Baylor University and a post-graduate law degree from the Georgetown University Law Center. He is a trustee of the Ohio Foundation for Entrepreneurial Education, the Business Technology Center, and the Industry and Technology Council of Central Ohio.



Vito A. Minei
Water Stakeholder
Committee

Mr. Minei is director of the Division of Environmental Quality of the Suffolk County (New York) Department of Health Services. He is responsible for regulating approximately 1,000 public and 60,000 private water supply wells and managing an extensive well drilling and groundwater monitoring program. In addition, he oversees toxic and hazardous materials storage regulation and sewage treatment discharge permitting programs, monitoring of freshwater streams and marine waters, regulating public bathing beaches and swimming pools, conducting major environmental protection studies, and preparing and enforcing county sanitary codes. Mr. Minei is also program manager for the Peconic Estuary Program and has served as director of the Brown Tide Comprehensive Assessment and Management Program. A professional engineer in New York State, Mr. Minei has a B.S. in civil engineering from Villanova University and an M.S. in civil engineering from New York University.

Visit the AMS pilot on the Web at
http://www.epa.gov/etv/07/07_main.htm.